

Converting Colors

$Y_{xy}(27.1313, 0.2872, 0.2207)$

Have a look what the booklet for
Yxy(27.1313, 0.2872, 0.2207)
contains.

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Color

Yxy(27.0330, 0.2868, 0.2203)

Conversions

Conversions Part 1

Format	Color
Hex	AE79CC
RGB	174, 121, 204
RGB Percent	68%, 47%, 80%
CMY	0.3176, 0.5255, 0.2000
CMYK	0.15, 0.41, 0.00, 0.20
HSL	278°, 45%, 64%
HSV	278°, 41%, 80%
XYZ	35.1932, 27.0330, 60.4837
YIQ	146.3090, 4.9450, 37.0490

Conversions

Conversions Part 2

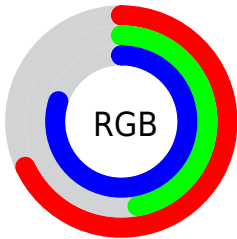
Format	Color
RYB	174, 121, 204
Decimal	11434444
CIELab	59.00, 35.74, -35.09
CIELCh	59, 50.089, 315.529
Yxy	27.0330, 0.2868, 0.2203
Android (android.graphics.Color)	4289624524 (0xFFAE79CC)
YUV	146.3090, 28.4417, 24.2850
Hunter-Lab	51.9933, 29.8349, -32.5767

Details

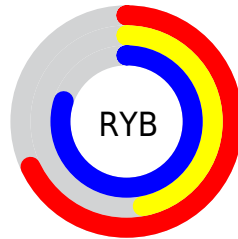
The Yxy color $27.0330, 0.2868, 0.2203$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $51.1389, 0.3290, 0.4450$, and the grayscale version is $28.7583, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.4810, 0.2976, 0.2451$, and $10.6695, 0.2765, 0.1913$ is the 20% darker color. If you saturate the color by 10%, you get $21.7662, 0.2781, 0.1929$, and if you desaturate by 10%, it is $33.3967, 0.2946, 0.2483$.

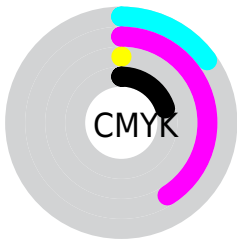
Distribution



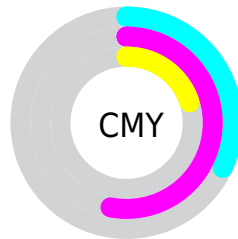
- Red (68%)
- Green (47%)
- Blue (80%)



- Red (68%)
- Yellow (47%)
- Blue (80%)



- Cyan (15%)
- Magenta (41%)
- Yellow (0%)
- Black (20%)





- Cyan (32%)
- Magenta (53%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0330, 0.2868, 0.2203 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 27.0330, 0.2868, 0.2203 by changing the saturation by 10% instead.

 27.0330, 0.2868,
0.2203


 27.0330, 0.2868,
0.2203


287.8169, 0.3021,
0.2744


 17.5980, 0.2822,
0.2071


 54.9368, 0.2929,
0.2398

 10.6618, 0.2760,
0.1905


 74.1744, 0.2950,
0.2471

 5.8399, 0.2670,
0.1691


 97.4484, 0.2968,
0.2534

 2.7480, 0.2532,
0.1408

125.1430, 0.2982,
0.2588

 1.0016, 0.2304,
0.1026

157.6428, 0.2994,
0.2634

 0.0000, 0.1994,
0.0000

195.3321, 0.3005,

 0.0000, 0.0000,

0.2675

0.0000

238.5954, 0.3014,
0.2712

■ 27.0330, 0.2868,
0.2203

■ 27.0330, 0.2868,
0.2203

■ 21.7662, 0.2781,
0.1929

■ 33.3967, 0.2946,
0.2483

■ 17.5255, 0.2688,
0.1674

■ 40.9155, 0.3015,
0.2759

■ 14.2370, 0.2590,
0.1450

■ 49.6474, 0.3074,
0.3024

■ 11.8151, 0.2492,
0.1267

■ 59.6453, 0.3124,
0.3274

■ 10.1582, 0.2397,
0.1134

■ 70.9592, 0.3166,
0.3504

■ 9.1296, 0.2314,
0.1048

■ 83.6362, 0.3200,
0.3715

■ 91.9819, 0.3237,
0.3822

■ 93.1960, 0.3285,
0.3814

■ 94.4618, 0.3333,
0.3806

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.0330, 0.2194, 0.2044



27.0330, 0.2868, 0.2203



27.0330, 0.3724, 0.2576

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



27.0330, 0.2868, 0.2203



27.0330, 0.4570, 0.4290



27.0330, 0.1919, 0.3280

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



27.0330, 0.2868, 0.2203



51.1389, 0.3290, 0.4450

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



27.0330, 0.2446, 0.4191



27.0330, 0.2868, 0.2203



27.0330, 0.3976, 0.4750

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



27.0330, 0.2868, 0.2203



27.0330, 0.4782, 0.3694



27.0330, 0.3200, 0.4785



27.0330, 0.1710, 0.2540

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27.0330, 0.2868, 0.2203



27.0330, 0.4257, 0.2913



27.0330, 0.3200, 0.4785



27.0330, 0.2061, 0.3584

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



27.0341, 0.2868, 0.2203



79.9703, 0.3066, 0.2986



30.6958, 0.2451, 0.2514



16.6906, 0.3058, 0.2952



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.0341, 0.2868, 0.2203



36.8809, 0.2791, 0.1957



30.3576, 0.3287, 0.2413



11.1933, 0.3081, 0.3058



5.8010, 0.2326, 0.1055



0.3411, 0.2500, 0.1151

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



28.7442, 0.3773, 0.2906



40.3408, 0.3992, 0.2826



48.9141, 0.3002, 0.4364



11.2795, 0.3234, 0.3207



8.4048, 0.5513, 0.2811



0.4480, 0.4972, 0.2512

Previews

White Background



This preview shows how the Yxy color 27.0330, 0.2868, 0.2203 looks on a white background.

Color Contrast Check

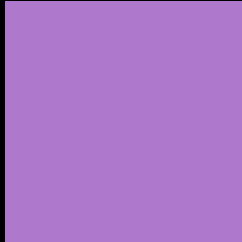
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 27.0330, 0.2868, 0.2203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

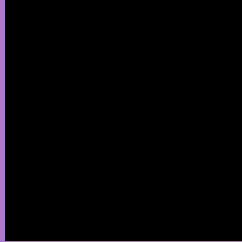
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.0330, 0.2868, 0.2203

Background



This preview shows how black text looks on a background with the Yxy color 27.0330, 0.2868, 0.2203.



This preview shows how white text looks on a background with the Yxy color 27.0330, 0.2868, 0.2203.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

27.0330, 0.2868, 0.2203

Protanopia

27.3814, 0.2279, 0.2154

Deuteranopia

27.3575, 0.2459, 0.2404



Tritanopia

27.0631, 0.3372, 0.3139

Trichromacy



Original Color

27.0330, 0.2868, 0.2203



Protanomaly

26.7810, 0.2452, 0.2151



Deuteranomaly

26.9300, 0.2594, 0.2324



Tritanomaly

26.7785, 0.3175, 0.2753

Monochromacy



Original Color

27.0330, 0.2868, 0.2203



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.7493, 0.3032, 0.2839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0330, 0.2868, 0.2203 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(174, 121, 204)` looks like.

```
.text, #text, p{  
    color:rgb(174, 121, 204)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(174, 121, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 121, 204) }
```

Border

The CSS property to change the border of an element to Yxy 27.0330, 0.2868, 0.2203 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(174, 121, 204) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(174, 121, 204) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(174, 121, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 121, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 121, 204);  
box-shadow:4px 4px 4px 4px rgb(174, 121,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0330, 0.2868, 0.2203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 121, 204) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(174,  
121, 204) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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